

3rd BioSC Spotlight „Phosphorus recovery and cycling”

Agenda

June 15 th , 2018 Otto Bayer Saal RWTH Aachen Worringerweg 1-2, 52074 Aachen		
10:30	Welcome	<i>Prof. Dr. Ulrich Schwaneberg</i> <i>Institute of Biotechnology,</i> <i>RWTH Aachen / BioSC</i>
10:45	Keynote lecture Phosphorus recycling: Facts and perspectives	<i>Dr. Rainer Schnee</i> <i>Deutsche Phosphor-Plattform e.V.,</i> <i>Board of Directors</i>
I.	Phytases for phosphate recovery from plant residues <i>Session chair: Dr. Anna Joëlle Ruff, RWTH Aachen / BioSC</i>	
11:30	P-ENG: Efficient phosphate recovery from agro waste streams by enzyme, strain, and process engineering	<i>Prof. Dr. Lars M. Blank</i> <i>Institute of Applied Microbiology,</i> <i>RWTH Aachen / BioSC</i>
12:00	Lunch Break	
13:00	Commercializing phosphorus from renewable resources: What are the major challenges?	<i>Carolin Block</i> <i>Institute for Food and Resource Economics,</i> <i>University of Bonn / BioSC</i>
13:30	PhytaPhos: Optimizing the phosphorus cycle in the sugar beet production process by phytase supplement	<i>Dr. Anna Joëlle Ruff</i> <i>Institute of Biotechnology,</i> <i>RWTH Aachen / BioSC</i>
II.	Nutrient transfer from waste water to algae <i>Session chair: Dr. Christina Schreiber, Forschungszentrum Jülich / BioSC</i>	
14:00	Phosphorus removal with microalgae – reduction of the effluent concentration from municipal wastewater treatment plants	<i>Prof. Dr.-Ing. Ulf Theilen,</i> <i>Technische Hochschule Mittelhessen,</i> <i>Competence Centre for Energy and</i> <i>Environmental Engineering</i>
14:30	Coffee Break	
15:00	Detection and quantification of polyphosphate by means of Raman microscopy of microalgae	<i>Dr. Peter Mojzeš</i> <i>Institute of Physics, Charles University, Prague</i>
15:30	Luxury phosphorus uptake and diazotrophy in green algae & cyanobacteria: AlgalFertilizer and follow-up projects	<i>Prof. Dr. Alexei Solovchenko</i> <i>Faculty of Biology, Moscow State University</i>
16:00	Closing remarks	<i>Dr. Anna Joëlle Ruff Dr. Christina Schreiber</i> <i>RWTH Aachen Forschungszentrum Jülich</i> <i>BioSC</i>
Get-together with snacks and drinks		